



# SR 520 Bridge Replacement and HOV Program

I-5 to Medina: Bridge Replacement and HOV Project

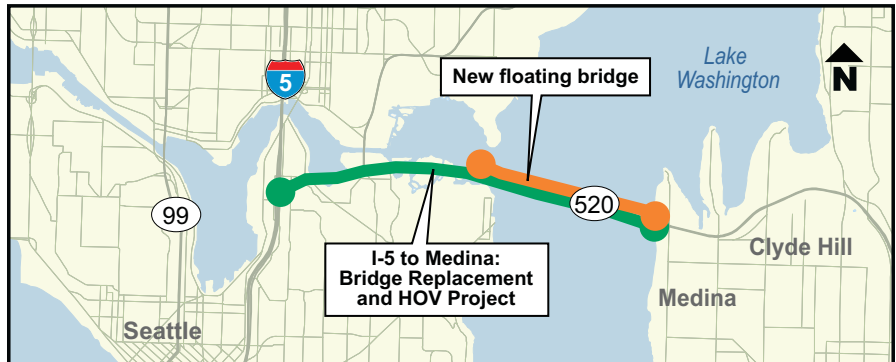


December 2014

## Construction of new SR 520 floating bridge advances



*Conceptual rendering of the new SR 520 floating bridge that will include new transit/HOV lanes, a new bicycle/pedestrian path and shoulders.*



*Vicinity map of the SR 520 Floating Bridge and Landings Project.*

The SR 520 floating bridge is a critically important regional link, connecting communities, universities and job centers in Seattle and the Eastside. After a half century of service, the floating section of the existing bridge is at risk of a catastrophic failure in a major windstorm, and needs to be replaced.

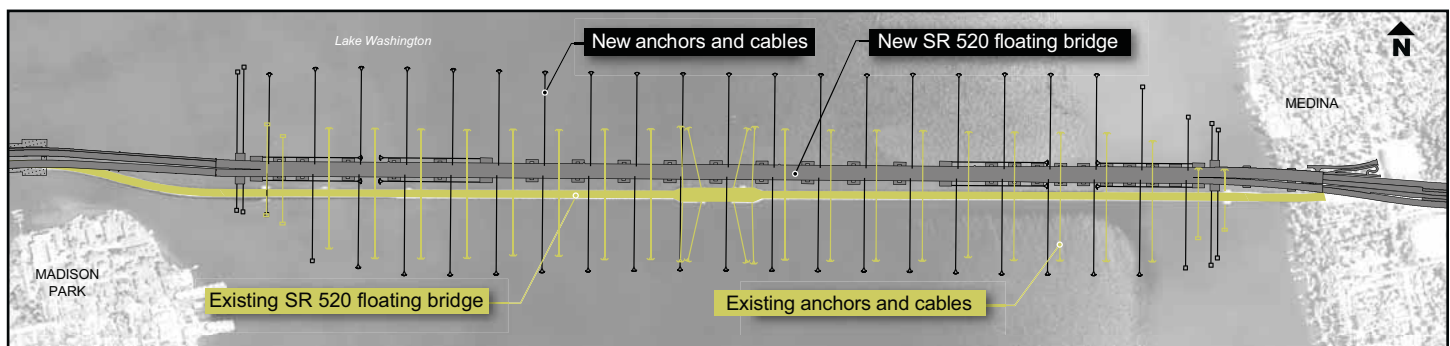
The Washington State Department of Transportation is fully funded to build a new SR 520 floating bridge that can withstand sustained winds of up to 89 mph, move more people and goods, and provide new commuting options.

Construction on the new SR 520 floating bridge is well underway. By the end of 2014, more than half of the components needed to complete the bridge had been constructed. The existing floating bridge that spans Lake Washington is being replaced with a bridge that has four general-purpose lanes, two transit/HOV lanes and a bicycle/pedestrian path.

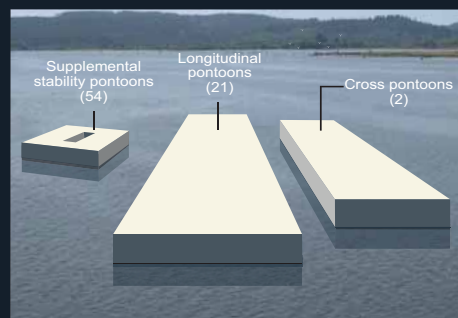
Construction on the SR 520 Floating Bridge and Landings Project began in January 2012. The new floating bridge is expected to open to traffic in spring 2016.

## Where is WSDOT building the new floating bridge?

As shown below, the new floating bridge is being constructed to the north of the existing bridge.



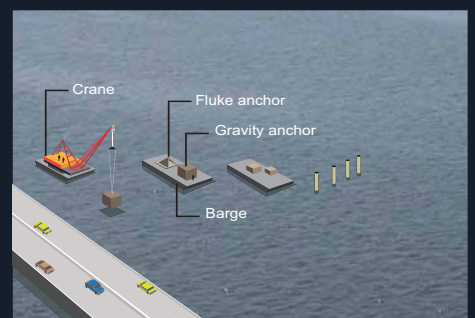
# How is WSDOT building the new SR 520 floating bridge?



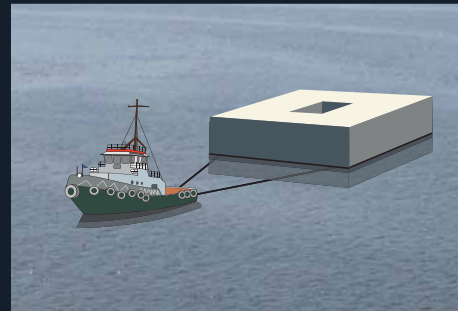
**1** Build the necessary pontoons, anchors and roadway sections in Aberdeen, Tacoma and Kenmore.



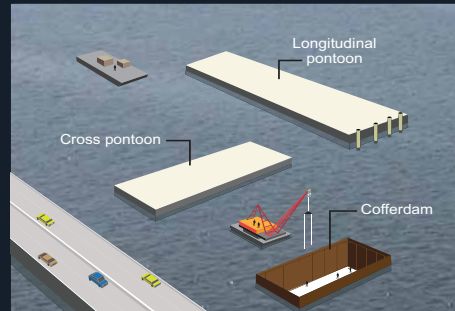
**2** Begin constructing staging area near Medina with construction barges and cranes. Drive temporary piles.



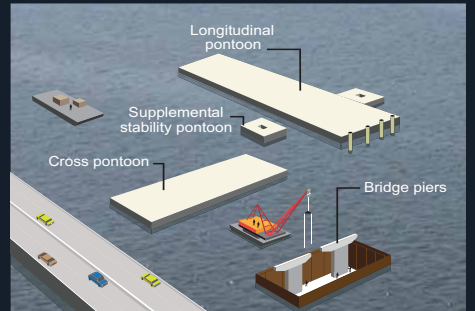
**3** Install anchors for the floating bridge.



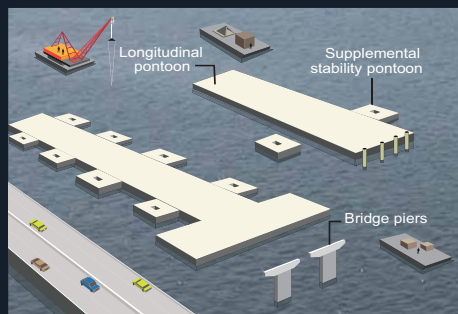
**4** Tow pontoons to Lake Washington.



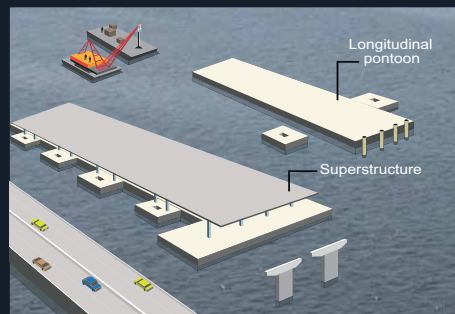
**5** Install cofferdams to build bridge piers for East Approach structure.



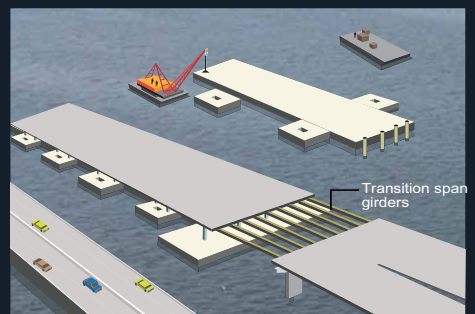
**6** Build bridge piers in cofferdams and begin pontoon assembly in staging area. Join supplemental pontoons to longitudinal pontoons at staging area.



**7** Begin joining longitudinal pontoons with cross pontoon.



**8** Begin installation of superstructure on pontoons.



**9** Continue assembling pontoons and begin construction of the east approach



**10** Complete roadway superstructure.



**11** Shift traffic to new floating bridge.



**12** Decommission the existing bridge and remove from Lake Washington.

Note: Images for illustration purpose and are not to scale

## For more information

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SR 520 Program Website

[wsdot.wa.gov/projects/SR520Bridge](http://wsdot.wa.gov/projects/SR520Bridge)



**Washington State  
Department of Transportation**

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